

### Electronic Filing System (EFS) Data **Electronic Patent Application Submission USPTO** Use Only

EFS ID:

49668

Application ID:

09743818

Title of Invention:

Protease Susceptibility II

First Named Inventor:

**Anthony Weiss** 

Domestic/Foreign Application: Domestic Application

Filing Date:

2001-04-26

Effective Receipt Date:

2003-10-23

Submission Type:

**BIO Sequence Filing** 

Filing Type:

Confirmation number:

8602

Attorney Docket Number:

**GHC11USA** 

Total Fees Authorized:

Digital Certificate Holder: cn=Cathy A. Kodroff,ou=Registered Attorneys,ou=Patent and Trademark

Office,ou=Department of Commerce,o=U.S. Government,c=US

Certificate Message Digest: 79a77c537824f533a91104403ee220ce9152bff7

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#### **TRANSMITTAL**

Electronic Version v1.1
Spylesheet Version v1.1.0

Title of Invention

Protease Susceptibility II

Application Number:

09/743818

Date:

2001-04-26

First Named Applicant:

Anthony S. Weiss

Confirmation Number:

8602

Attorney Docket Number: GHC11USA

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity
Cathy A. Kodroff Registered Number: 33,980	/cathyakodroff/	Attorney

Documents being submitted

Files

us-bio-seq-trans

GHC11USA-usbios.xml

us-bio-seq-trans.dtd

us-bio-seq-trans.xsl

sequence-listing

sequence.txt

Comments

OIP E

#### AMINO ACID AND/OR NUCLEOTIDE SEQUENCE LISTING SUBMISSION

Electronic Version v13 Stylesheet Version v01

This is a request for filing the electronic Computer Readable Form copy of a sequence listing via the Electronic Filing System for a patent application under 37 CFR 1.821-1.825 instead of via one of the physical media specified in 37 CFR 1.824(c).

This communication has an attached file which is an electronic copy of the amino acid and/or nucleotide sequence listing for the previously mentioned United States patent application.

The electronic copy submitted herewith is the Computer Readable Form (CRF), as required by 1.821(e).

Any applicable fees associated with the filing of the electronic copy have been paid.

This submission does not go beyond the disclosure of the application as originally filed (i.e., contains no new matter). It may be in addition to an original CRF, filed to comply with the sequence rules.

This submission in electronic form comprises only the CRF of 37 CFR 1.821(e). I acknowledge that I am responsible for all additional requirements of amino acid and/or nucleotide sequence listing submissions as specified in 37 CFR 1.821 - 1.825.

This submission does not go beyond the disclosure of the application as originally filed (i.e., contains no new matter), and/or is in addition to an original CRF filed to comply with the sequence rules. If not made to comply with an originally filed CRF, it is identical to the sequences disclosed in the application as originally filed and/or the paper copy of the sequence listing as originally filed.

I hereby certify that this correspondence is being transmitted to the United States Patent and Trademark Office on the following date: 2003-10-23

Name: Cathy A. Kodroff

Electronic Signature Mark: /CathyAKodroff/

Attachment description:

Attached is a Substitute Sequence Listing. The hard copy and an appropriate extension of time is being supplied with a response to an Office Action dated 08/25/2003.

Compression

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anthuara	
software	useo

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# O' 13 MIS

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Ala 225	Ile	Pro	Gly	Ile	Gly 230	Gly	Ile	Ala	Gly	Val 235	Gly	Thr	Pro	Ala	Ala 240
Ala	Ala	Ala	Ala	Ala 245	Ala	Ala	Ala	Lys	Ala 250	Ala	Lys	Tyr	Gly	Ala 255	Ala
Ala	Gly	Leu	Val 260	Pro	Gly	Gly	Pro	Gly 265	Phe	Gly	Pro	Gly	Val 270	Val	Gly
Val	Pro	Gly 275	Phe	Gly	Ala	Val	Pro 280	Gly	Val	Gly	Val	Pro 285	Gly	Ala	Gly
Ile	Pro 290	Val	Val	Pro	Gly	Ala 295	Gly	Ile	Pro	Gly	Ala 300	Ala	Gly	Phe	Gly
Ala 305	Val	Ser	Pro	Glu	Ala 310	Ala	Ala	Lys	Ala	Ala 315	Ala	Lys	Ala	Ala	Lys 320
Tyr	Gly	Ala	Arg	Pro 325	Gly	Val	Gly	Val	Gly 330	Gly	Ile	Pro	Thr	Tyr 335	Gly
Val	Gly	Ala	Gly 340	Gly	Phe	Pro	Gly	Phe 345	Gly	Val	Gly	Val	Gly 350	Gly	Ile

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Pro	Gly	Val 355	Ala	Gly	Val	Pro	Ser 360	Val	Gly	Gly	Val	Pro 365	Gly	Val	Gly
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Lys	Ala	Ala	Ala	Lys 405	Ala	Ala	Gln	Phe	Gly 410	Leu	Val	Pro	Gly	Val 415	Gly
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Val	Gly	Leu 435	Ala	Pro	Gly	Val	Gly 440	Val	Ala	Pro	Gly	Val 445	Gly	Val	Ala
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Ala 465	Ala	Lys	Ser	Ala	Ala 470	Lys	Val	Ala	Ala	Lys 475	Ala	Gln	Leu	Arg	Ala 480
Ala	Ala	Gly	Leu	Gly 485	Ala	Gly	Ile	Pro	Gly 490	Leu	Gly	Val	Gly	Val 495	Gly
Val	Pro	Gly	Leu 500	Gly	Val	Gly	Ala	Gly 505	Val	Pro	Gly	Leu	Gly 510	Val	Gly
Ala	Gly	Val 515	Pro	Gly	Phe	Gly	Ala 520	Val	Pro	Gly	Ala	Leu 525	Ala	Ala	Ala
Lys	Ala 530	Ala	Lys	Tyr	Gly	Ala 535	Val	Pro	Gly	Val	Leu 540	Gly	Gly	Leu	Gly
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130 135 140

Thr 145	Gly	Ala	Gly	Val	Lys 150	Pro	Lys	Ala	Pro	Gly 155	Val	Gly	Gly	Ala	Phe 160
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Gly 225	Pro	Gln	Ala	Ala	Ala 230	Ala	Ala	Ala	Ala	Lys 235	Ala	Ala	Ala	Lys	Phe 240
Gly	Ala	Gly	Ala	Ala 245	Gly	Val	Leu	Pro	Gly 250	Val	Gly	Gly	Ala	Gly 255	Val
Pro	Gly	Val	Pro 260	Gly	Ala	Ile	Pro	Gly 265	Ile	Gly	Gly	Ile	Ala 270	Gly	Val
Gly	Thr	Pro 275	Ala	Ala	Ala	Ala	Ala 280	Ala	Ala	Ala	Ala	Ala 285	Lys	Ala	Ala
Lys	Tyr 290	Gly	Ala	Ala	Ala	Gly 295	Leu	Val	Pro	Gly	Gly 300	Pro	Gly	Phe	Gly
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Pro	Gly	Ala	Gly	Ile 325	Pro	Val	Val	Pro	Gly 330	Ala	Gly	Ile	Pro	Gly 335	Ala
Ala	Val	Pro	Gly 340	Val	Val	Ser	Pro	Glu 345	Ala	Ala	Ala	Lys	Ala 350	Ala	Ala

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Lys Ala Ala Lys Tyr Gly Ala Arg Pro Gly Val Gly Val Gly Gly Ile

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355

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Ala Ala Ala Lys Ala Ala Lys Ala Ala Gln Phe Gly Leu Val 435 440 445

Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly 450 455 460

Val Ala Pro Gly Val Gly Leu Ala Pro Gly Val Gly Val Ala Pro Gly 465 470 475 480

Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Ile Gly Pro Gly 485 490 495

Gly Val Ala Ala Ala Lys Ser Ala Ala Lys Val Ala Ala Lys Ala 500 505 510

Gln Leu Arg Ala Ala Ala Gly Leu Gly Ala Gly Ile Pro Gly Leu Gly 515 520 525

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                               105
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Gly Lys Val Pro Gly Val Gly Leu Pro Gly Val Tyr Pro Gly Gly Val
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115 120 125

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Thr Gly Ala Gly Val Lys Pro Lys Ala Pro Gly Val Gly Gly Ala Phe 145 150 155 160

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Pro Leu Gly Tyr Pro Ile Lys Ala Pro Lys Leu Pro Gly Gly Tyr Gly 180 185 190

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Val Ala Gly Ala Ala Gly Lys Ala Gly Tyr Pro Thr Gly Thr Gly Val 210 215 220

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Lys Tyr Gly Ala Ala Ala Gly Leu Val Pro Gly Gly Pro Gly Phe Gly 290 295 300

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Pro Gly Ala Gly Ile Pro Val Val Pro Gly Ala Gly Ile Pro Gly Ala 325 330 335

Ala Val Pro Gly Val Val Ser Pro Glu Ala Ala Ala Lys Ala Ala Ala 340 345 350

Lys Ala Ala Lys Tyr Gly Ala Arg Pro Gly Val Gly Val Gly Ile

355 360 365

Pro Thr Tyr Gly Val Gly Ala Gly Gly Phe Pro Gly Phe Gly Val Gly 370 375 380

Val Gly Gly Ile Pro Gly Val Ala Gly Val Pro Ser Val Gly Gly Val 385 390 395 400

Pro Gly Val Gly Gly Val Pro Gly Val Gly Ile Ser Pro Glu Ala Gln 405 410 415

Ala Ala Ala Ala Lys Ala Ala Lys Tyr Gly Val Gly Thr Pro Ala 420 425 430

Ala Ala Ala Lys Ala Ala Lys Ala Ala Gln Phe Gly Leu Val 435 440 445

Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly 450 455 460

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Gln Phe Gly Leu Val Gly Ala Ala Gly Leu Gly Gly Leu Gly Val Gly
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